TEAC®

SERVICE MANUAL

P-70/P-50

Turntable

CAUTION

⚠ Parts marked with this sign are safety critical components. They must always be replaced with identical components - refer to the appropriate Parts List and ensure exact replacement.

5704012400

1 SPECIFICATIONS

P-70

Type Fully-Automatic System
Drive System Direct-Drive System
Motor Brushless DC Servo Motor
Speed 33-1/3 & 45 rpm
Pitch Control ±3 %
Turntable 308 mm Diameter, Aluminum Alloy Diecast
Wow and Flutter 0.05 % (WRMS)
Signal-to-Noise Ratio 63 dB (DIN-B)
Tonearm
- **Type** Low-Mass Sensitive Straight Tonearm
- **Effective Length** 222 mm
- **Overhang** 16.8 mm
- **Tracking Error Angle** +2°30′ to -1°30′
- **Stylus Pressure Range** 0 – 3 g
- **Usable Cartridge Weight** 4 – 6 g

***Cartridge**
- **Type** Moving Magnet Type
- **Frequency Response** 20 – 20 kHz
- **Output Voltage** 2.8 mV
- **Channel Separation** More than 15 dB at 1 kHz
- **Appropriate Stylus Pressure** 2 g
- **Stylus** 0.6 mil Spherical Diamond
- **Load Impedance** 47 k ohms
- **Cartridge Weight** 5 g ±0.5 g

Power Requirements 100/120/220/240 V
AC 50/60 Hz (General Export Model)
120 V AC 60 Hz (U.S.A./Canada)
220 V AC 50 Hz (Europe)
240 V AC 50 Hz (U.K./Australia)
Power Consumption 7 W
Weight 5.5 kg (12-2/16 lbs) net

P-50

Type Semi-automatic system
Drive System Belt drive system
Motor 4-pole synchronous motor
Speed 33-1/3 & 45 rpm
Turntable 301 mm Diameter, Aluminum alloy diecast
Wow and Flutter 0.1 % (WRMS)
Signal-to-Noise Ratio 55 dB (DIN-B)
Tonearm
- **Type** Statically balanced tubular straight-line with removable headshell
- **Effective Length** 222 mm
- **Overhang** 16.8 mm
- **Tracking Error Angle** +2°30′ to -1°30′
- **Stylus Pressure Range** 0 – 3 g
- **Usable Cartridge Weight** 4 – 6 g

***Cartridge**
- **Type** Moving Magnet Type
- **Frequency Response** 20 – 20 kHz
- **Output Voltage** 3.5 mV
- **Appropriate Stylus Pressure** 2 g
- **Stylus** 0.6 mil conical
- **Load Impedance** 47 k ohms
- **Cartridge Weight** 5 g

Power Requirements 110 ~ 120/220 ~ 240 V
AC 50 or 60 Hz (General Export Model)
120 V AC 60 Hz (U.S.A./Canada)
220 V AC 50 Hz (Europe)
240 V AC 50 Hz (U.K./Australia)
Power Consumption 8 W
Weight 5 kg (11.0 lbs) net

*U.S.A. and U.K. models: supplied without cartridge

• Improvements may result in specifications or features changing without notice.

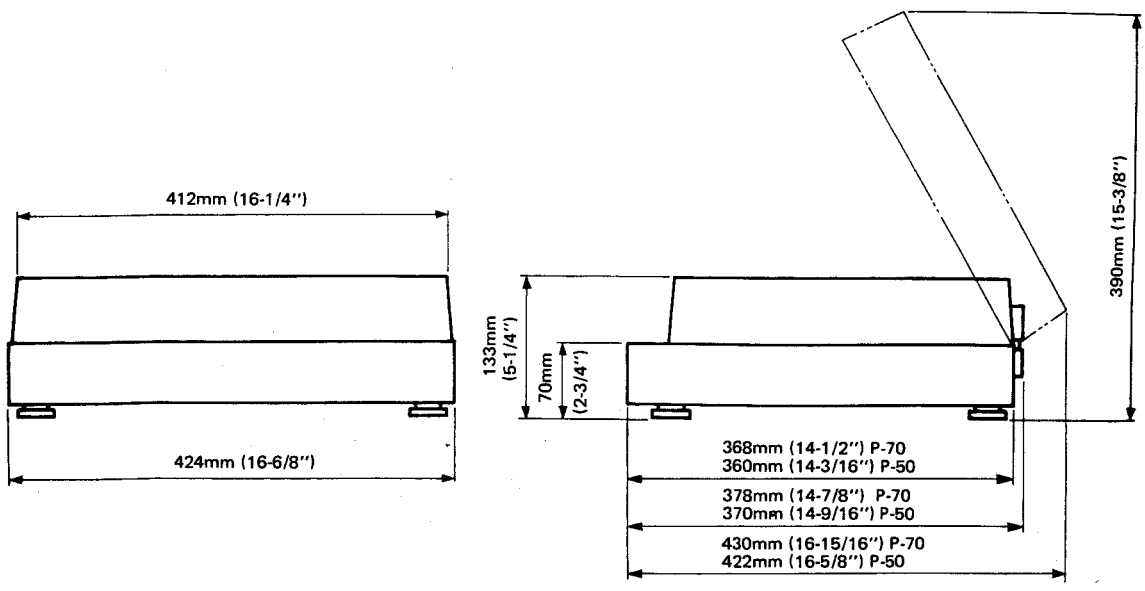


Fig. 1-1 Dimensions

2 PARTS LOCATION

P-70

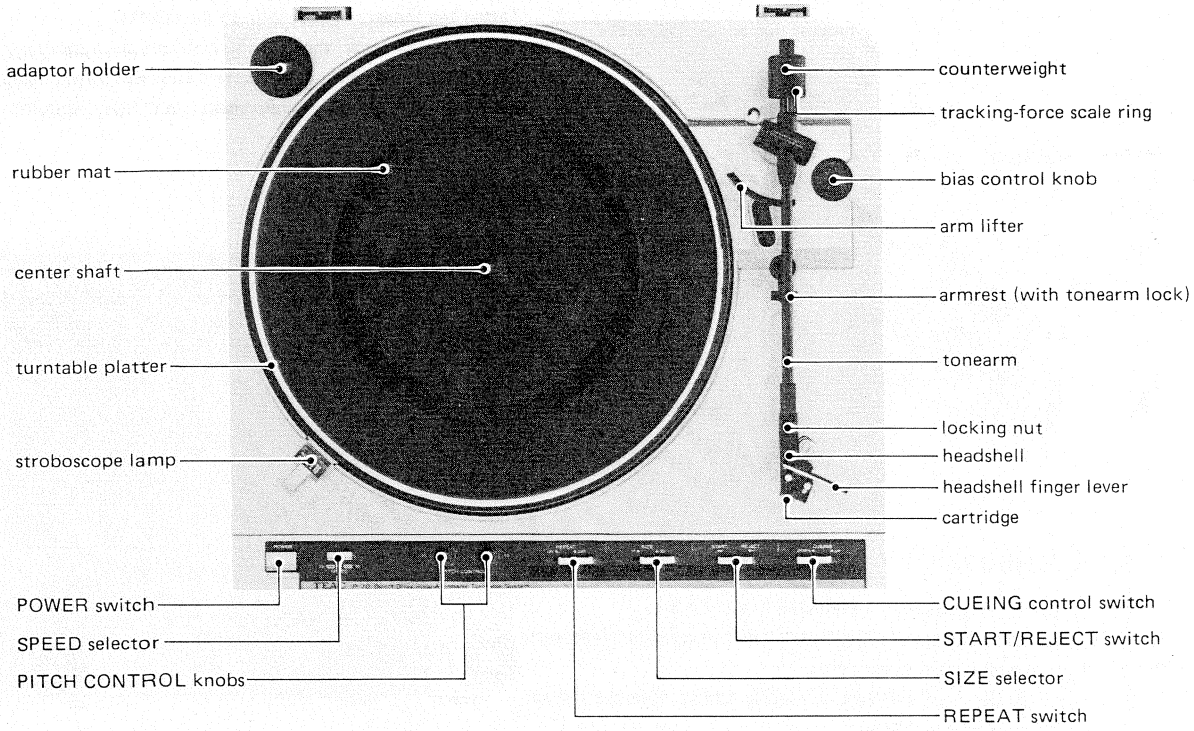


Fig. 2-1

P-50

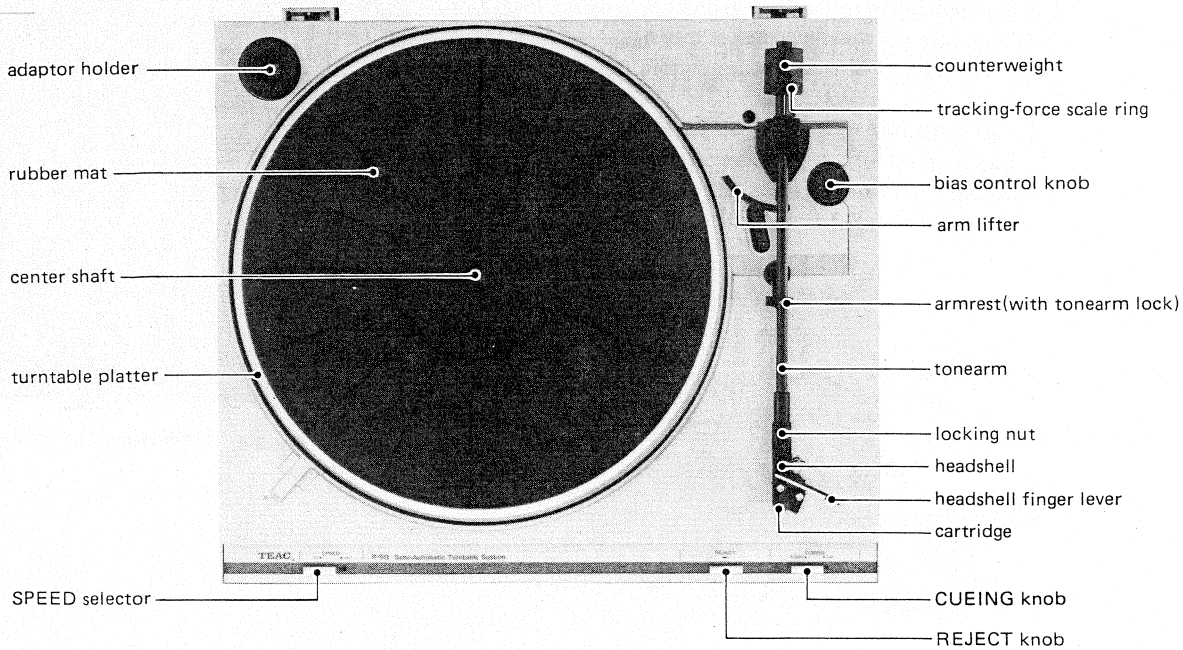


Fig. 2-2

3 DISASSEMBLY INSTRUCTIONS

3-1. HEADSHELL

1. Rotate the locking nut on the headshell counterclockwise.
2. Gently remove the headshell from the tonearm.

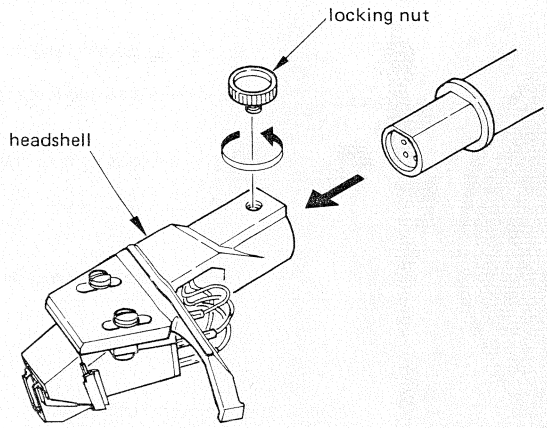


Fig. 3-1

3-2. CARTRIDGE

1. Remove the headshell as indicated in section 3-1.
2. Disconnect the connecting tips of the four headshell lead wires from the cartridge output pins.
3. Unscrew the two cartridge mounting screws. Remove the cartridge from the headshell.
4. Temporarily attach the new cartridge to the headshell by lightly fastening the two cartridge mounting screws.
5. Attach the four connecting wires to the cartridge output pins. Refer to Fig. 3-2 when remounting the cartridge onto the headshell.
6. Slide the headshell onto the front end of the tonearm, then gently push it in the direction of opposite to that of the arrow in Fig. 3-1. Rotate the locking nut clockwise and tighten it firmly.
7. Adjust the overhang as indicated in section 4-2, then secure the two cartridge mounting screws. Make sure that the cartridge is not tilted away from the center line of the headshell.
8. Fasten the tonearm to the armrest.

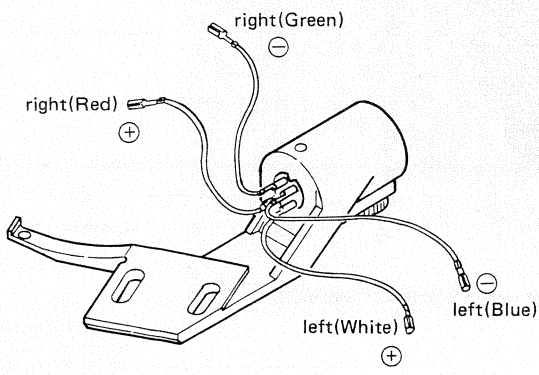


Fig. 3-2

3-3. BOTTOM COVER

1. Lift up the dust cover, then remove the rubber mat and turntable platter (with the rubber belt for the P-50).
2. Fasten the tonearm to the armrest.
3. Close the dust cover, then turn the turntable upside down.
4. Remove the eight screws (A and B) from the bottom cover.
5. Carefully lift the bottom cover away from the cabinet.

P-70

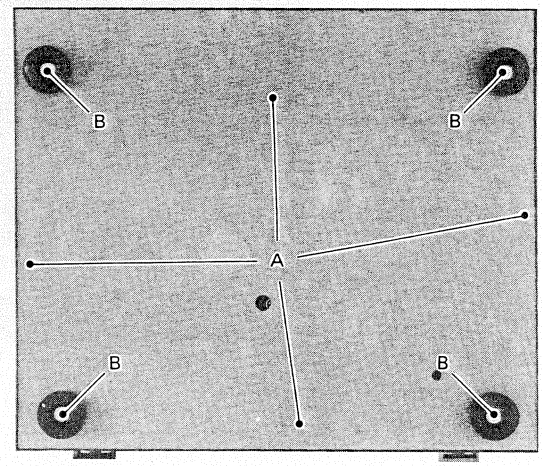


Fig. 3-3

P-50

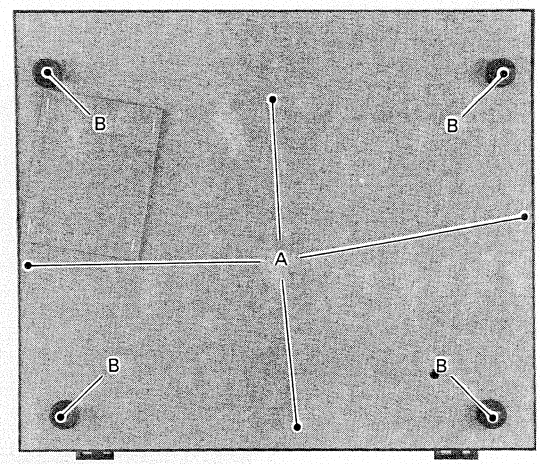


Fig. 3-4

3-4. TONEARM (P-70)

1. Remove the shield cover by unscrewing screw C.
2. Unsolder the pickup lead wires from the output PC board.
3. Remove the seesaw arm by unscrewing screw D.
4. Loosen the two hex socket screws and remove the IFC spring.
5. Remove the pickup plate from the tonearm pipe.
6. The tonearm can be removed after the hex nut (12 mm) is removed from the tonearm pipe.

NOTE: When replacing the tonearm, follow the adjustment procedures below while referring to Fig. 3-7:

1. Lock the tonearm to the armrest.
2. Adjust the lock plate assembly so that pin A is centered directly over line B.
3. Slightly tighten either hex socket screw.
4. Adjust the auto lead-in and auto return operations and the frictional shaft height (refer to sections 4-6, 4-7 and 4-11).
5. After these adjustments, securely tighten both hex socket screws.

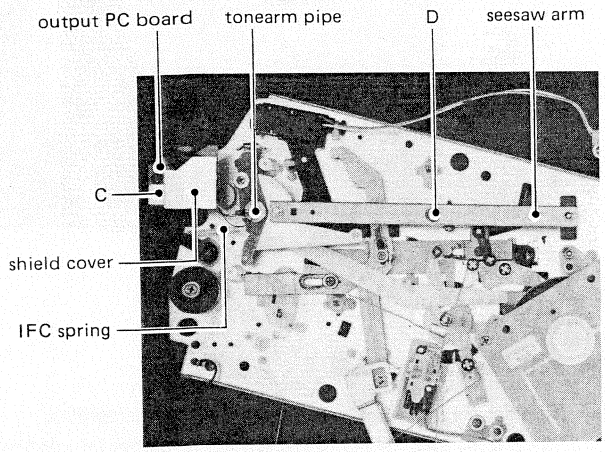


Fig. 3-5

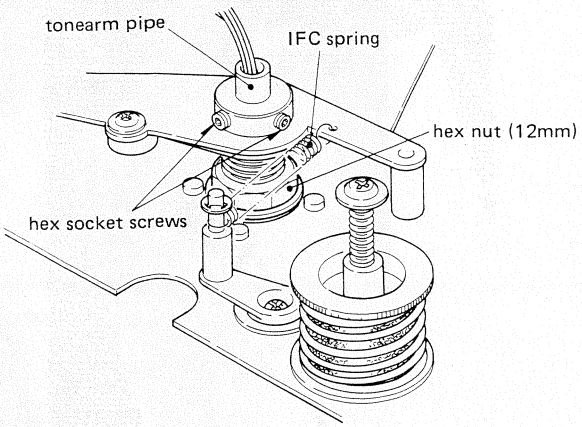


Fig. 3-6

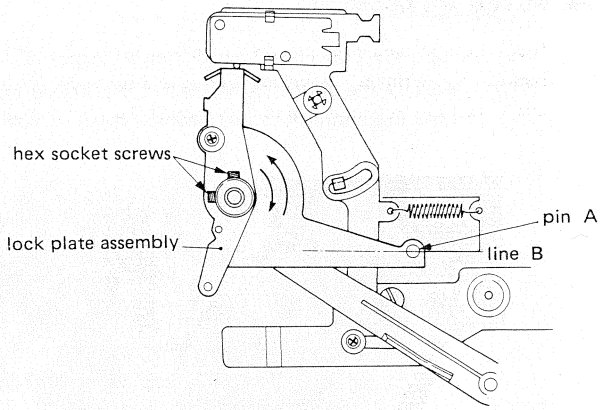


Fig. 3-7

3-5. TONEARM (P-50)

1. Remove the shield cover by unscrewing screw E.
2. Unsolder the pickup lead wires from the output PC board.
3. Remove the output PC board (unscrew F), then the pickup thrust plate (unscrew G).
4. Loosen the 2 screws (H) and remove the IFC spring.
5. Remove the pickup plate from the tonearm pipe.
6. The tonearm can be removed when the crescent ring is removed from the tonearm pipe.

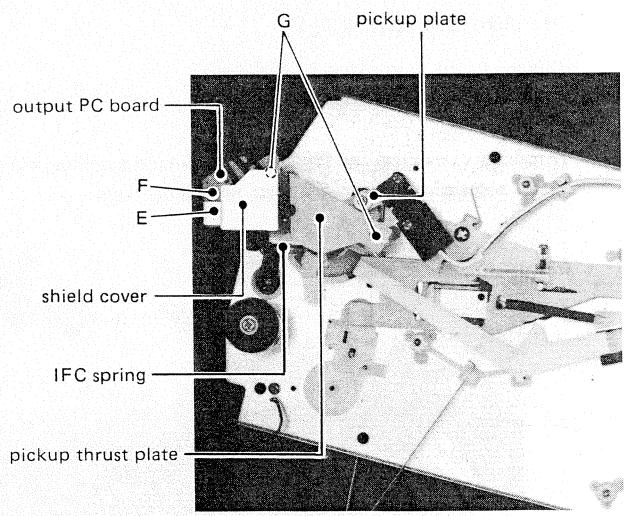


Fig. 3-8

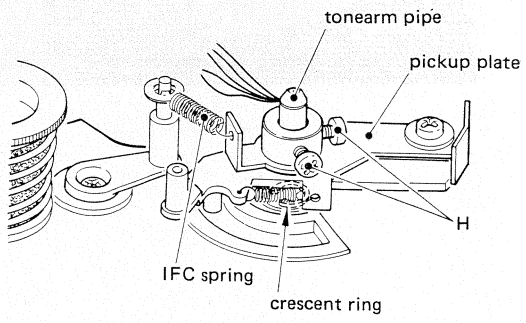


Fig. 3-9

3-6. MOTOR (P-70)

1. Disconnect the connector (I) from the motor PC board.
2. Remove the motor by unscrewing the three screws (J). At this time, make sure the screw marked * is removed with the collar.

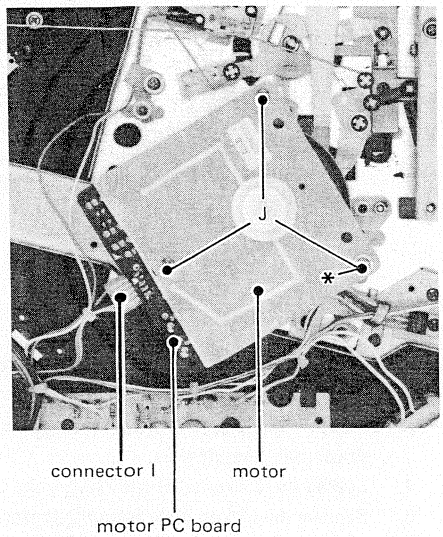


Fig. 3-10

3-7. MOTOR (P-50)

1. Disconnect the motor wires.
2. Unscrew the three screws (K) holding the motor suspension plate.
3. If necessary, unscrew the four screws holding the motor to the motor suspension plate to separate them.

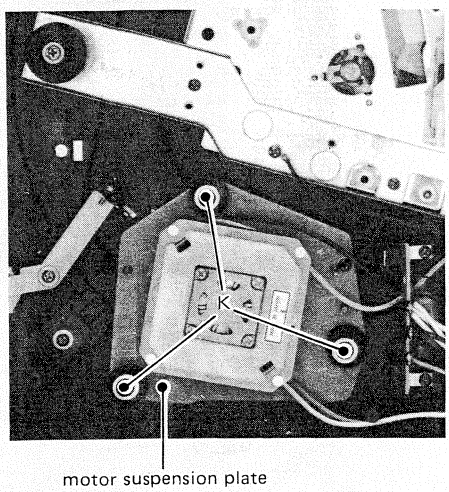


Fig. 3-11

3-8. MICROSWITCH (P-70)

The following explanation applies to both the START and STOP microswitches.

1. Unsolder the lead wires from the microswitch.
2. The microswitch can then be removed by spreading the hooks on both sides.

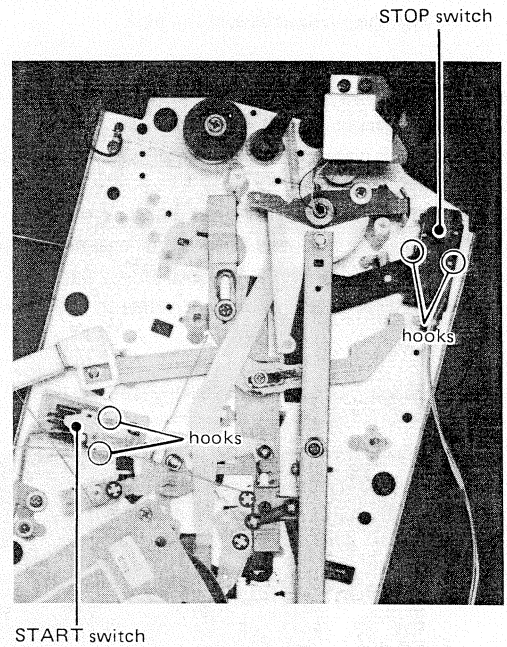


Fig. 3-12

3-9. MICROSWITCH (P-50)

1. Unsolder the lead wires from the microswitch.
2. Unscrew the two screws (L) to remove the microswitch.

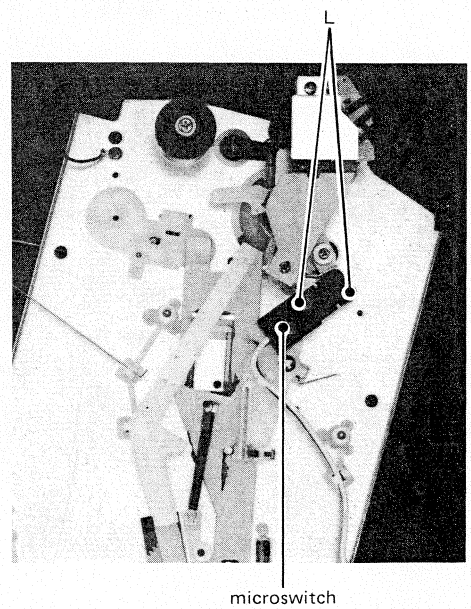


Fig. 3-13

4 ADJUSTMENTS

4-1. TURNTABLE PLATTER HEIGHT

1. Place a record on the turntable.
2. Confirm that the distance from the top surface of the record to the top of the cabinet is within the range indicated in Fig. 4-2.
3. If the distance is not as specified, adjust the spring holders accordingly.

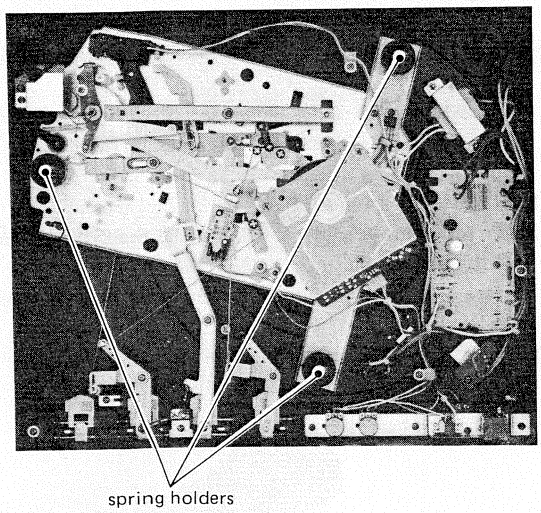


Fig. 4-1

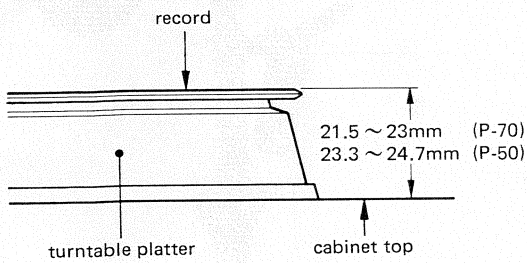


Fig. 4-2

4-2. STYLUS OVERHANG

The overhang of the tonearm should be 16.8 mm as shown in Fig. 4-4. On models supplied with the cartridge attached to the headshell, the overhang has already been correctly adjusted at the factory.

1. Fit the overhang adjustment card supplied with the P-70/P-50 to the headshell as shown in Fig. 4-3.
2. Loosen the headshell screws and adjust the position of the cartridge so that the stylus tip is aligned with point (A).
3. After positioning, be sure that the cartridge is parallel to the sides of the headshell before retightening the screws.

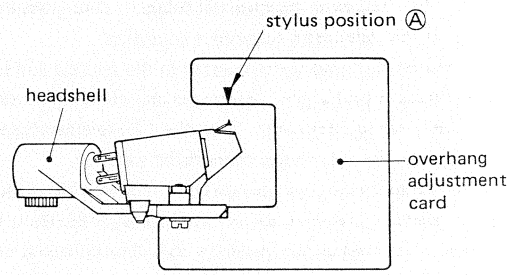


Fig. 4-3

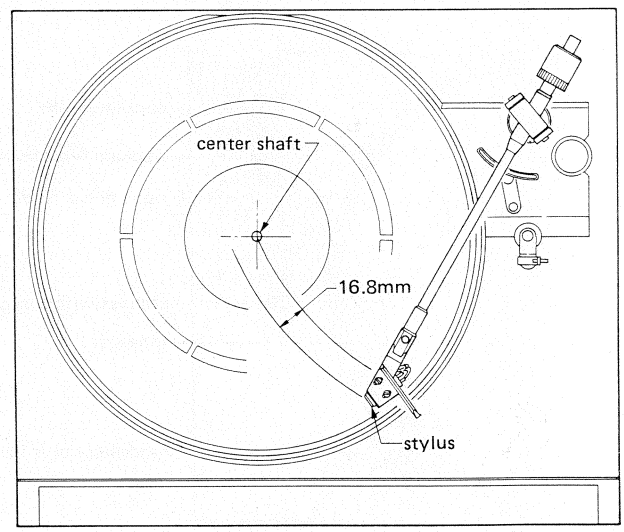


Fig. 4-4

4-3. STYLUS PRESSURE AND ANTI-SKATE BIAS

1. Remove the plastic stylus guard and release the tonearm lock.
2. Set the bias control knob to 0.
3. For the P-50 only, rotate the turntable platter clockwise a few times by hand to make sure that the autoreturn mechanism is disengaged.
4. Bring the tonearm to a position which is midway between the armrest and the turntable platter.
5. Set the CUEING control in the DOWN position.
6. Lightly holding the headshell finger lever, screw the counterweight clockwise or counterclockwise until the tonearm is in perfect holizontal balance. Zero-gram stylus pressure is obtained in this balanced condition.
7. Return the tonearm to the armrest and lock it in place.
8. Without turning the counterweight, turn the tracking force scale ring so that the "0" is aligned with the white reference mark on the rear of the tonearm.
9. Numerals shown on the scale ring indicate the stylus pressure in grams. After establishing the "zero reference point," turn the counterweight until the stylus pressure reading corresponds to the cartridge manufacturer's recommendation.
10. Turn the bias control knob to the setting which corresponds to the stylus pressure to obtain the correct anti-skate bias.

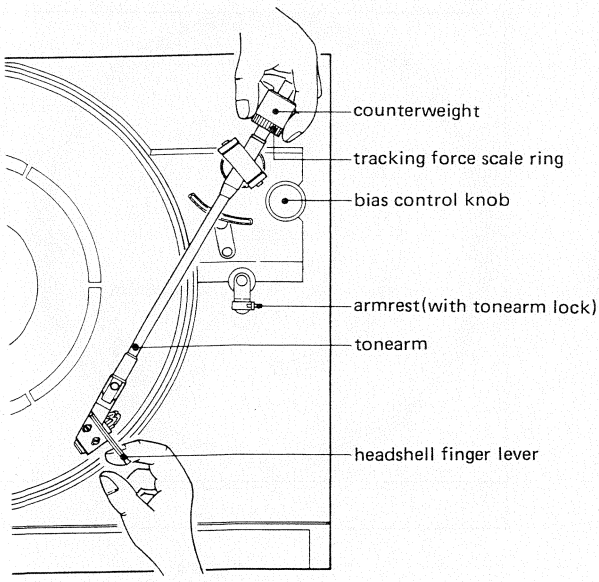


Fig. 4-5

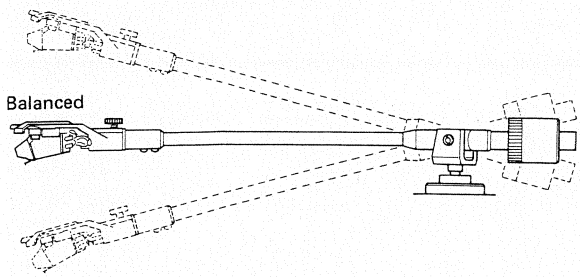


Fig. 4-6

4-4. STYLUS HEIGHT

4-4-1. CUEING Control in DOWN Position

1. Make sure that the power is off and that the CUEING control is in the DOWN position.
2. Place a record on the turntable.
3. Place the tonearm on the record and slide the START/REJECT switch to REJECT for the P-70 (Slide the REJECT switch to the right for P-50).
4. Manually turn the turntable slowly clockwise so that the tonearm lifts and returns halfway to the armrest, then stop the turntable.
5. At this point, the stylus should be 6 to 10 mm above the record. If it is not, adjust screw A on the arm lifter.

4-4-2. CUEING Control in UP Position

1. Make sure that the power is off and that the CUEING control is in the UP position.
2. Place a record on the turntable and set the tonearm over the record.
3. At this point, the stylus should be 6 to 10 mm above the record. If it is not, adjust screw B on the arm lifter.

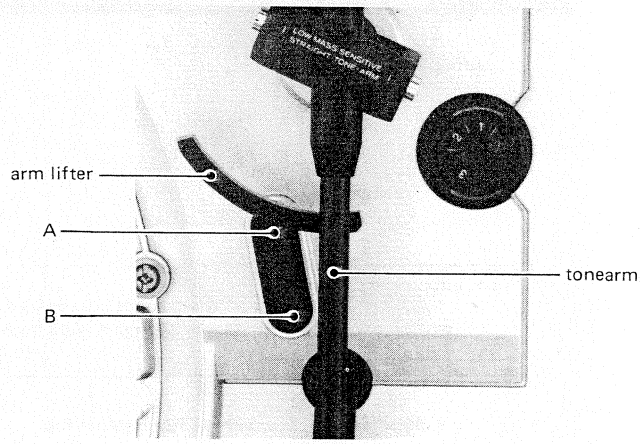


Fig. 4-7

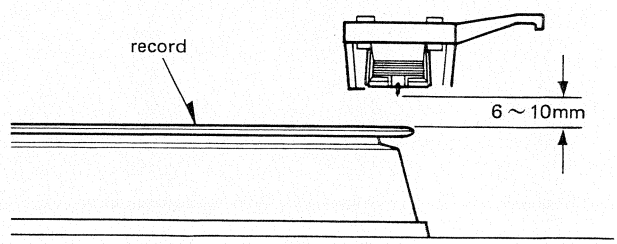
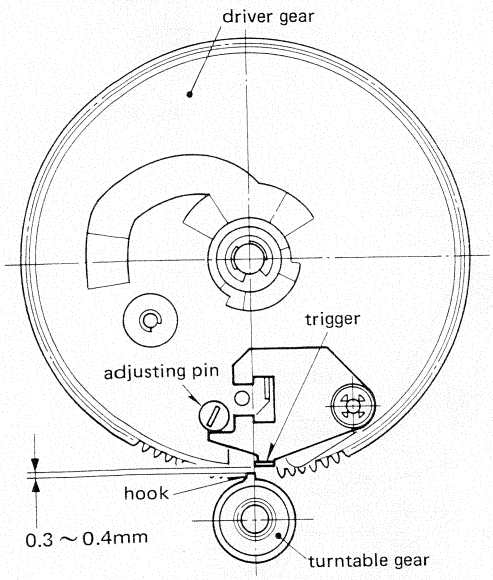


Fig. 4-8

4-5. TURNTABLE GEAR AND TRIGGER POSITION

NOTES: 1. With the P-70, this adjustment must be made whenever the motor is replaced.
2. Though the shape of relevant parts differs between the P-70 and the P-50, the adjustment procedure is the same.

1. Remove the rubber mat and turntable platter (with rubber belt for the P-50).
2. There should be a clearance of 0.3 to 0.4 mm between the hook on the turntable gear and the trigger on the drive gear.
3. If the clearance is not as specified, turn the adjustment pin until the proper clearance is obtained.



The illustration shows the P-70

Fig. 4-9

4-6. AUTO LEAD-IN (P-70)

1. Place a record on the turntable and set the START/REJECT switch to START.
2. If the tonearm is not automatically brought to the lead-in groove and lowered to begin play (for either 17 cm or 30 cm records), turn the appropriate lead-in adjustment pin until proper operation is obtained.

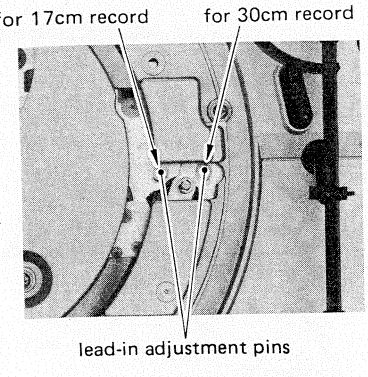


Fig. 4-10

4-7. AUTO RETURN

NOTE: For the P-70, this adjustment should be made after the auto lead-in adjustment has been completed.

1. With the P-70 only, set the REPEAT switch to OFF.
2. Place a record on the turntable and play it.
3. If the tonearm does not automatically return to the armrest at the end of the record, or if it returns before the record has ended, turn the return adjuster until proper operation is obtained.

P-70

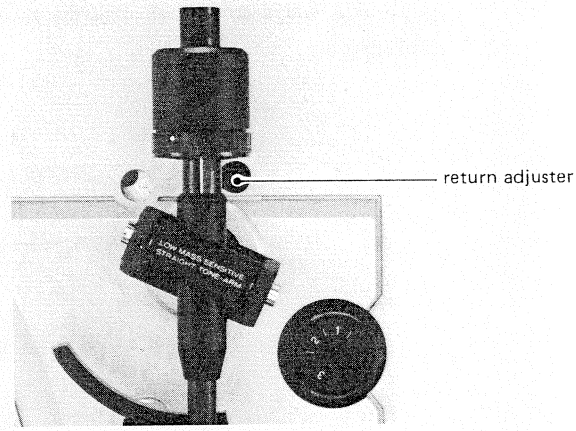


Fig. 4-11

P-50

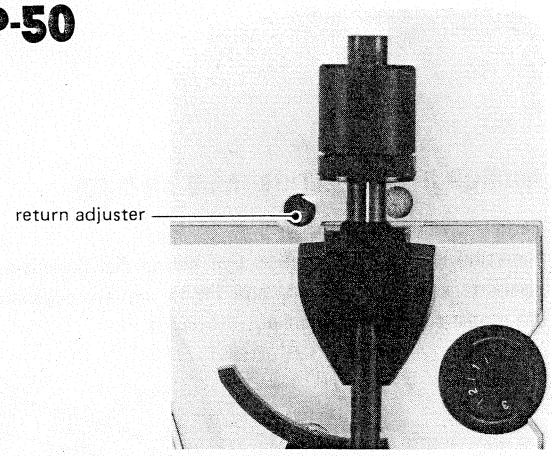


Fig. 4-12

4-8. MICROSWITCH POSITION (P-70)

4-8-1. START SWITCH

1. Set the START/REJECT switch to START.
2. Referring to Fig. 4-13, confirm that there is 0.3 to 0.5 mm's clearance at point A.
3. If the clearance is not as specified, turn the adjustment pin on the start lever assembly with a screwdriver until the proper clearance is obtained.

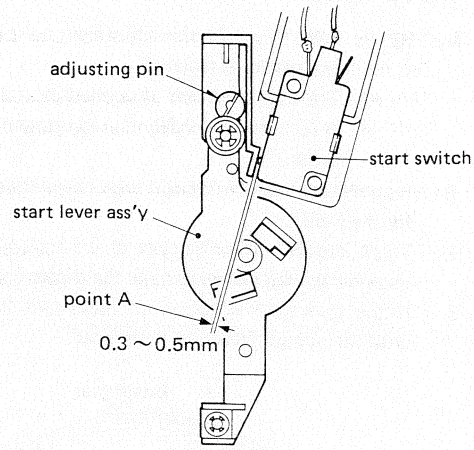


Fig. 4-13

4-8-2. STOP SWITCH

1. Set the tonearm on the armrest.
2. Referring to Fig. 4-14, confirm that there is 0.3 to 0.5 mm's clearance at point B. If not, turn the adjustment pin on the return plate assembly with a screwdriver until the proper clearance is obtained.

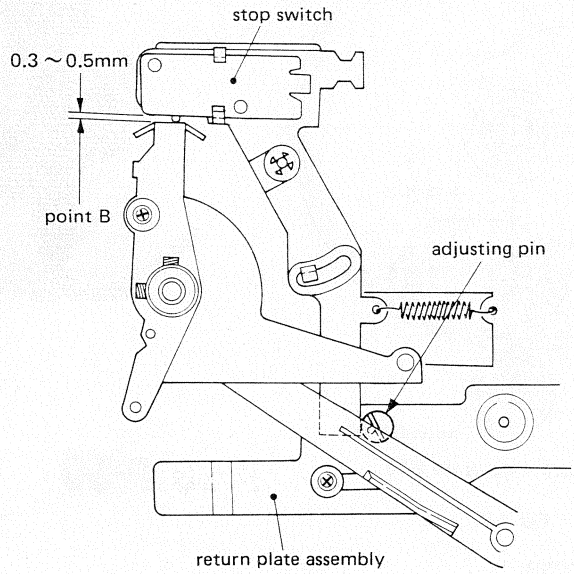


Fig. 4-14

4-9. MICROSWITCH POSITION (P-50)

1. Set the tonearm on the armrest.
2. Referring to Fig. 4-15, confirm that there is 0.3 to 0.5 mm's clearance at point C. If not, turn the adjustment screw until the proper clearance is obtained.

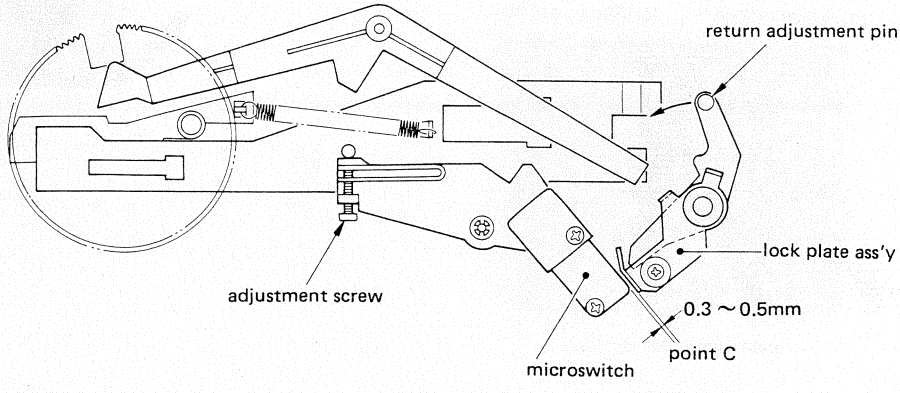


Fig. 4-15

4-10. TURNTABLE SPEED (P-70)

1. Make sure that the PITCH CONTROL knobs are in the "no variation" (midpoint) position.
2. Adjust VR1 (33-1/3 rpm) and/or VR2 (45 rpm) on the motor control PC board so that the strobe markings on the appropriate row appear to be stationary.

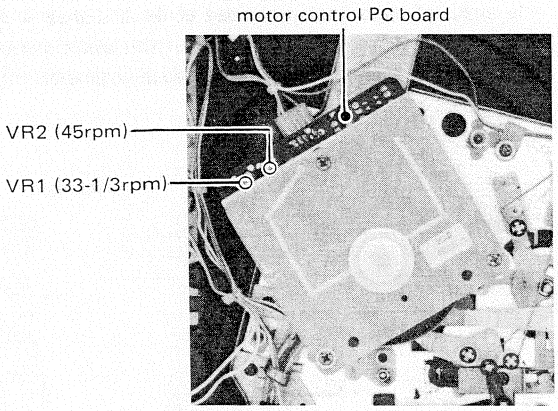
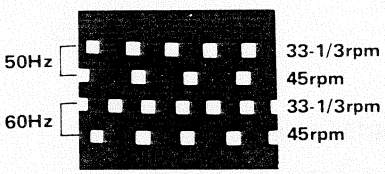


Fig. 4-16



Strobe markings on the outer rim of the platter of the P-70

Fig. 4-17

4-11. FRICTIONAL SHAFT HEIGHT (P-70)

1. Remove the turntable platter and unlock the tonearm from the armrest.
2. Turn the drive gear counterclockwise about 120 degrees (refer to Fig. 4-18).
3. Referring to Fig. 4-19, loosen the nut holding the seesaw shaft and turn the shaft until 1 to 1.5 mm's clearance is obtained at point D.
4. Retighten the nut and apply lock paint.

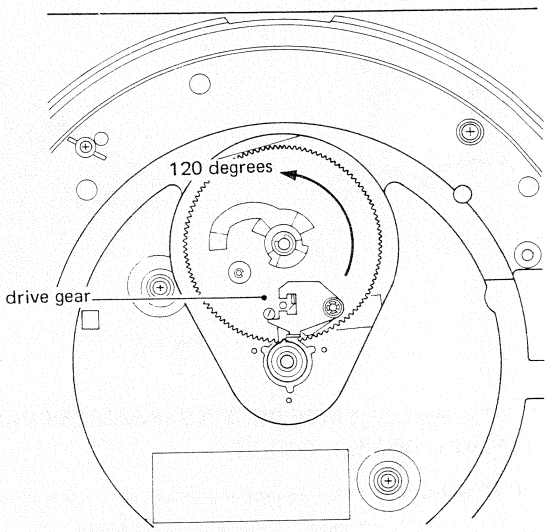


Fig. 4-18

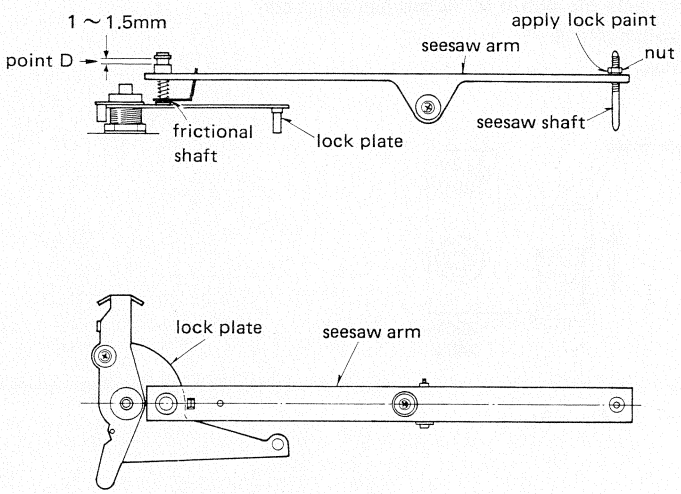


Fig. 4-19

4-12. VOLTAGE SETTING (P-70, GENERAL EXPORT MODEL ONLY)

WARNING: Disconnect the power cord from the AC power outlet before making this adjustment.

Using a screwdriver of appropriate size, turn the screw until the voltage indicator matches the voltage of your area.

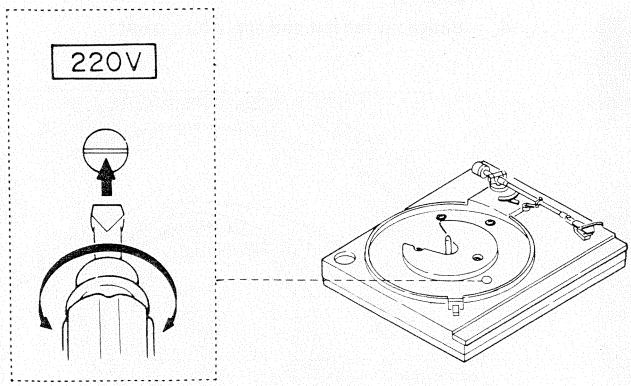


Fig. 4-20

4-13. VOLTAGE SETTING (P-50, GENERAL EXPORT MODEL ONLY)

WARNING: Disconnect the power cord from the AC power outlet before making this adjustment.

1. Remove the rubber mat and the turntable platter with the rubber belt.
2. Locate the voltage conversion switch on a board at the rear of the unit.
3. Unscrew and remove the cover plate.
4. Set the switch to the appropriate voltage setting.
5. Replace the cover plate and turn it to the position which corresponds to the switch setting.
6. Retighten the screw.

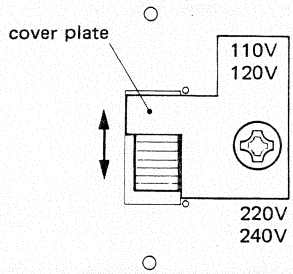


Fig. 4-21

4-14. FREQUENCY (MOTOR PULLEY) CONVERSION (P-50, GENERAL EXPORT MODEL ONLY)

1. Set the speed selector to 33 rpm.
2. Use a screwdriver of appropriate size to loosen the motor pulley screw, then remove the pulley from the motor shaft.
3. Slide the new pulley onto the motor shaft and tighten the motor pulley screw.
4. Be sure that the center of the belt guide is aligned with the center of the upper part of the pulley, and confirm that the belt does not touch the guide during normal rotation.

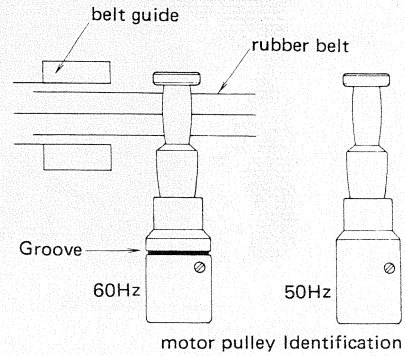


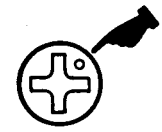
Fig. 4-22

4-15. LUBRICATION

The P-70/P-50 has been designed to minimize maintenance requirements. No part will ever require lubrication; never attempt to lubricate any parts.

ASSEMBLING HARDWARE CODING LIST

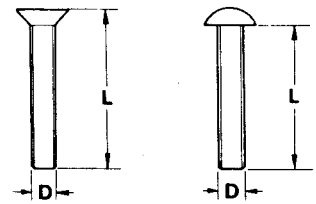
All screws conform to ISO standards, and have crossrecessed heads, unless otherwise noted. ISO screws have the head inscribed with a point as in the figure to the right.



FOR EXAMPLE:

B M 3 x 6

- Length in mm (L)
- Diameter in mm (D) *
- Metric System
- Nomenclature



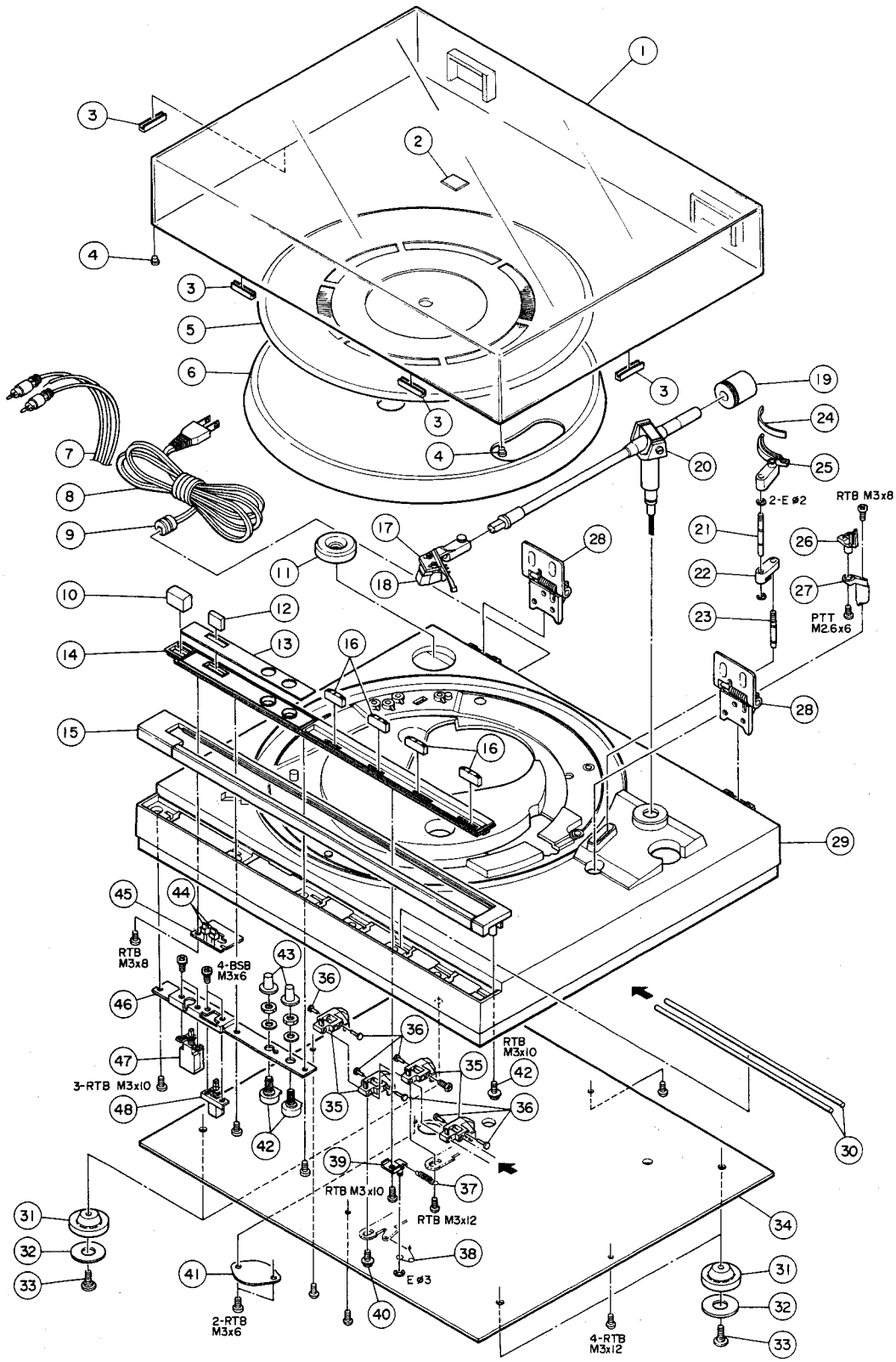
* Inner dia. for washers and nuts

	Code	Name	Type
MACHINE SCREW	R	Round Head Screw	
	P	Pan Head Screw	
	T	Stove Head Screw (Truss)	
	B	Binding Head Screw	
	F	Flat Countersunk Head Screw	
	O	Oval Countersunk Head Screw	
WOOD SCREW	RW	Round Head Wood Screw	
TAPTITE SCREW	PTT	Pan Head Taptite Screw	
	WTT	Washer Head Taptite Screw	
SEMS SCREW	BSA	Binding Head SEMS Screw(A Type)	
	BSB	Binding Head SEMS Screw(B Type)	
	BSF	Binding Head SEMS Screw(F Type)	
	PSA	Pan Head SEMS Screw(A Type)	
	PSB	Pan Head SEMS Screw(B Type)	

	Code	Name	Type
TAPPING SCREW	BTA	Binding Head Tapping Screw(A Type)	
	BTB	Binding Head Tapping Screw(B Type)	
	RTA	Round Head Tapping Screw(A Type)	
	RTB	Round Head Tapping Screw(B Type)	
SETSCREW	SF	Hex Socket Setscrew(Flat Point)	
	SC	Hex Socket Setscrew(Cup Point)	
	SS	Slotted Socket Setscrew(Flat Point)	
WASHER	E	E-Ring (Retaining Washer)	
	W	Flat Washer (Plain)	
	SW	Lock Washer (Spring)	
	LWI	Lock Washer (Internal Teeth)	
	LWE	Lock Washer (External Teeth)	
	TW	Trim Washer (Countersunk)	
NUT	N	Hex Nut	

5 EXPLODED VIEWS AND PARTS LIST

EXPLODED VIEW - 1 (P-70)

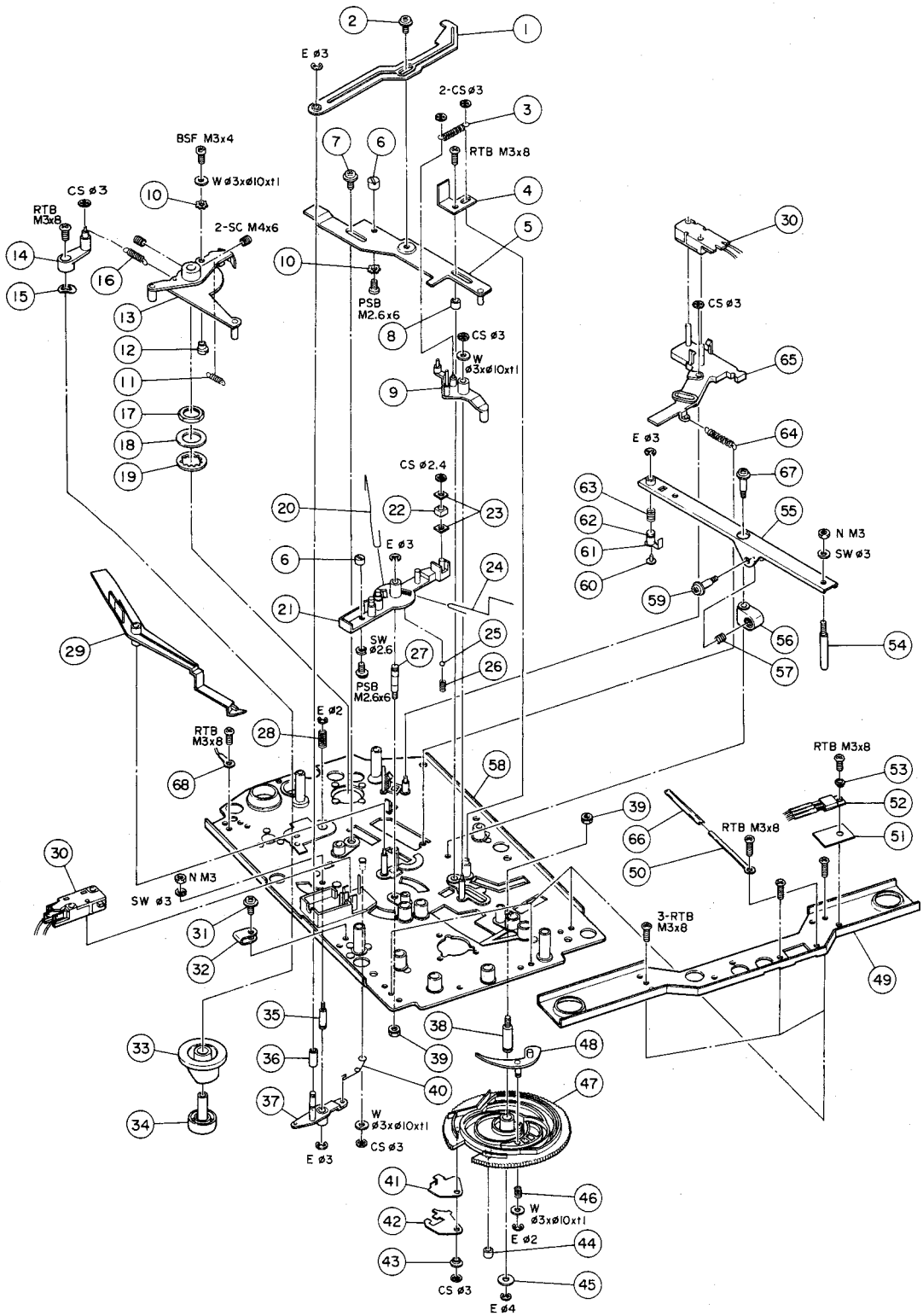


Parts marked with *require longer delivery time.

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
1 - 1	*5760030900	Dust Cover	PX-550
1 - 2	*5760031000	Name Plate	PX-550
1 - 3	*5760032900	Protector	PX-550
1 - 4	*5760031100	Cushion	PX-550
1 - 5	*5760180000	Mat, Turntable [All except C]	
	*5760180100	Mat, Turntable [C]	
1 - 6	*5760025800	Turntable	PX-550
1 - 7	*5760174100	Cord, Phono Pin	
1 - 8	⚠ *5760029200	AC Power Cord [U, C]	PX-550
	⚠ *5760029300	AC Power Cord [GE]	PX-550
	⚠ *5760029400	AC Power Cord [E]	PX-550
	⚠ *5760029500	AC Power Cord [UK]	PX-550
	⚠ *5760175000	AC Power Cord [A]	P-50
1 - 9	*5800136400	Bushing	
1 - 10	5760179400	Knob, A	
1 - 11	5760034500	Adaptor, 45 rpm	PX-550
1 - 12	5760179500	Knob, B	
1 - 13	*5760179200	Sheet	
1 - 14	*5760179100	Name Plate, Control; B	
1 - 15	*5760179000	Name Plate, Control; A	
1 - 16	5760179300	Knob, Slide	
1 - 17	5760173500	Headshell Assy	P-50
1 - 18	5760173600	Cartridge	
1 - 19	5760182400	Weight Assy	
1 - 20	*5760182300	Tonearm Assy	
1 - 21	*5760021700	Screw, Adjusting	PX-550
1 - 22	*5760021800	Rod, Actuating	PX-550
1 - 23	*5760021500	Lift Bar	PX-550
1 - 24	*5760021400	Rubber, Arm Support	PX-550
1 - 25	*5760021300	Arm Support	PX-550
1 - 26	*5760172400	Armrest, Assy	P-50
1 - 27	*5760022100	Rod, Armrest	PX-550
1 - 28	*5760149300	Hinge	P-50
1 - 29	*5760176200	Cabinet	P-50
1 - 30	*5760178800	Guide, A	
1 - 31	*5760031500	Insulator	PX-550
1 - 32	*5760031600	Felt	PX-550
1 - 33	*5760031700	Screw (Speciality Screw)	PX-550
1 - 34	*5760179800	Bottom Cover	
1 - 35	*5760176300	Thrust Lever	P-50
1 - 36	*5760023700	Cushion	PX-550
1 - 37	*5760024200	Spring; H	PX-550
1 - 38	*5760024700	Spring, I	PX-550
1 - 39	*5760023800	Plate Assy	PX-550
1 - 40	*5760038100	Biazier SEMS Screw (B Type) M3X10	PX-550
1 - 41	*5760179900	Blind	
1 - 42	*5760183000	Var, Res., 2K ohm (B)	
1 - 43	5760179600	Knob, Pitch Control	
1 - 44	5760185500	LED	
1 - 45	*5760185400	PCB, LED	
1 - 46	*5760182600	Bracket, SW	
1 - 47	⚠ 5760182700	Switch, Power [U, C]	
	⚠ 5760182800	Switch, Power [EX, E, Uk, A]	
1 - 48	5760182900	Switch, Push	

[U]: U.S.A. [C]: CANADA [GE]: GENERAL EXPORT
[A]: AUSTRALIA [E]: EUROPE [UK]: U.K.

EXPLODED VIEW - 2 (P-70)



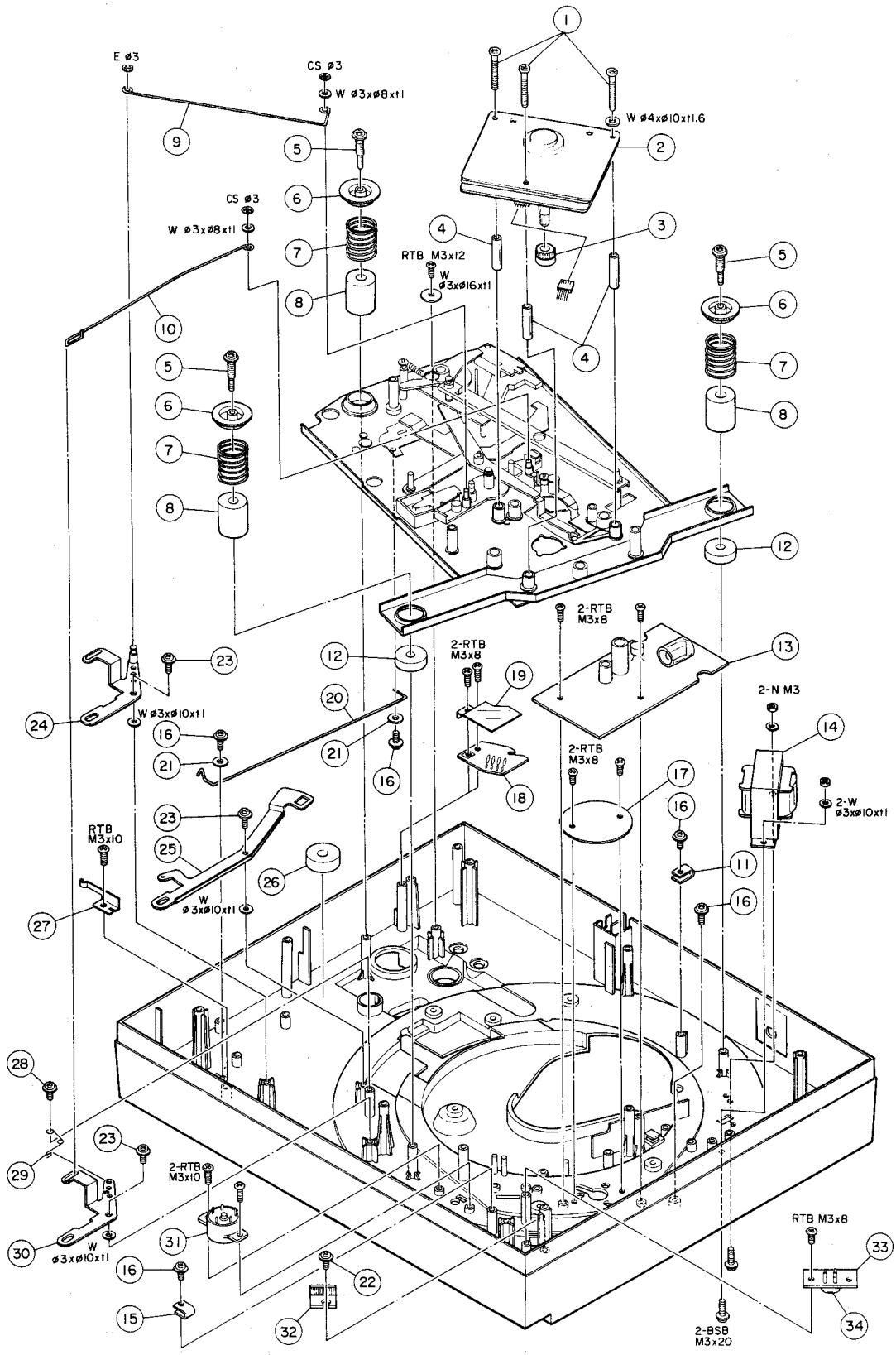
Parts marked with *require longer delivery time.

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
2 - 1	*5760180400	Lever Set Assy	
2 - 2	*5760024800	Shaft, B	PX-550
2 - 3	*5760017200	Spring, D	PX-550
2 - 4	*5760015900	Plate	PX-550
2 - 5	*5760178300	Plate Assy, Return	
2 - 6	*5760018800	Pin, Adjusting	PX-550
2 - 7	*5760036200	Screw (Speciality Screw)	PX-550
2 - 8	*5760016000	Spacer	PX-550
2 - 9	*5760017100	Arm, Change	PX-550
2 - 10	*5785150400	Washer, Wave	
2 - 11	*5760021000	Spring, F	PX-550
2 - 12	*5760020900	Cam	PX-550
2 - 13	*5760020800	Lock Plate Assy, PU	PX-550
2 - 14	*5760176800	Lever, IFC	
2 - 15	*5760036100	Washer, Wave	
2 - 16	*5760022500	Spring, IFC	PX-550
2 - 17	*5760037700	Nut, M12	PX-550
2 - 18	*5760037800	Washer, M12	PX-550
2 - 19	*5785190000	Lock Washer	
2 - 20	*5760180600	Link, B	
2 - 21	*5760178600	Lever	
2 - 22	*5760020500	Magnet	PX-550
2 - 23	*5760020600	Washer, Square	PX-550
2 - 24	*5760180500	Rod	
2 - 25	*5760016800	Steel Boll	PX-550
2 - 26	*5760178700	Spring, C	
2 - 27	*5760017000	Shaft, RA	PX-550
2 - 28	*5760021600	Spring, Lifter	PX-550
2 - 29	*5760016600	Return Arm	PX-550
2 - 30	5760174400	Microswitch	
2 - 31	*5760038100	Brazier SEMS Screw (B Type) M3X10	PX-550
2 - 32	*5760183700	Cord Stopper, 2N	
2 - 33	*5760022300	Holder, IFC Knob	PX-550
2 - 34	5760176700	Knob, IFC	
2 - 35	*5760015700	Shaft	PX-550
2 - 36	*5760015500	Sleeve	PX-550
2 - 37	*5760015400	Lever Assy, Reverse Turn	PX-550
2 - 38	*5760015300	Shaft A	PX-550
2 - 39	*5760036400	Nut	PX-550
2 - 40	*5760015600	Spring, A	PX-550
2 - 41	*5760017500	Trigger	PX-550
2 - 42	*5760017600	Frictional Plate, Trigger	PX-550
2 - 43	*5760017700	Collar	PX-550
2 - 44	*5760017800	Pin, Adjusting	PX-550
2 - 45	*5760036500	Washer, ϕ6.2Xϕ12Xt1	PX-550
2 - 46	*5760018000	Spring, (Guide)	PX-550
2 - 47	*5760180200	Drive Gear	
2 - 48	*5760180300	Cam Drive Assy	
2 - 49	*5760176600	Bracket, Spring	
2 - 50	*5760183800	Clamper, Cord Assy	
2 - 51	*5760027900	Sheet, Insulator	
2 - 52	*5042528000	Transistor	
2 - 53	*5760028000	Bushing	PX-550
2 - 54	*5760019600	Shaft, Seesaw; B	PX-550
2 - 55	*5760180800	Lever Set Assy	

(Continued on page 26)

[U]: U.S.A. [C]: CANADA [GE]: GENERAL EXPORT
[A]: AUSTRALIA [E]: EUROPE [UK]: U.K.

EXPLODED VIEW - 3 (P-70)

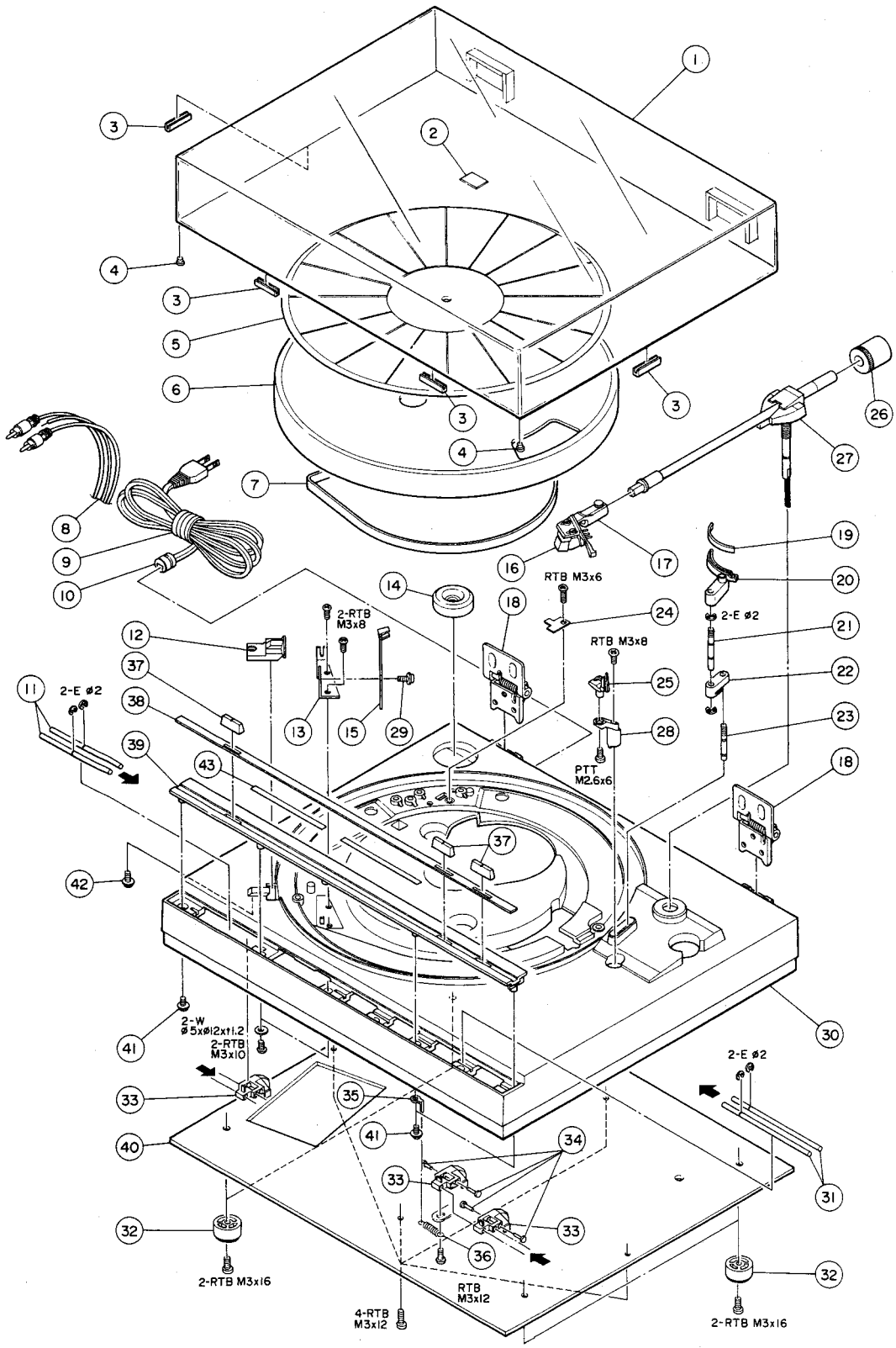


Parts marked with *require longer delivery time.

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
3 - 1	*5760174700	Brazier Screw (S Type) M4X35	
3 - 2	5760183300	Motor Assy	
3 - 3	*5760183400	Gear, Turntable	
3 - 4	*5760183500	Spacer	
3 - 5	*5760030800	Screw, Adjust	PX-550
3 - 6	*5760030600	Holder, Spring	PX-550
3 - 7	*5760030500	Spring Floating, B	PX-550
3 - 8	*5760030700	Cushion	PX-550
3 - 9	*5760024300	Link, S	PX-550
3 - 10	*5760024600	Link, R	PX-550
3 - 11	*5760177400	Clamper, Card	P-50
3 - 12	*5760149200	Cushion	
3 - 13	*5760181900	PCB Assy, POWER SUPPLY [U]	
	*5760181910	PCB Assy, POWER SUPPLY [C]	
	*5760181920	PCB Assy, POWER SUPPLY [GE]	
	*5760181930	PCB Assy, POWER SUPPLY [E, UK, A]	
3 - 14	⚠ *5760184100	Power Transformer [U, C]	
	⚠ *5760184200	Power Transformer [GE]	
	⚠ *5760184300	Power Transformer [E, UK, A]	
3 - 15	*5760183700	Cord Stopper, 2N	
3 - 16	*5760038100	Brazier SEMS Screw (B Type) M3X10	PX-550
3 - 17	*5760026900	Cover, Blind	PX-550
3 - 18	*5760177900	OUTPUT PCB	P-50
3 - 19	*5760174200	Cover, Shield	P-50
3 - 20	*5760023900	Link, L	PX-550
3 - 21	*5760036900	Washer, ϕ3Xϕ12Xt1	PX-550
3 - 22	*5760037100	Brazier SEMS Screw (B Type) M3X8	PX-550
3 - 23	*5760036200	Screw (Speciality Screw)	PX-550
3 - 24	*5760024100	Lever Assy, A	PX-550
3 - 25	*5760024400	Plate, Connecting	PX-550
3 - 26	*5760149100	Cushion	
3 - 27	*5760024000	Spring, G	PX-550
3 - 28	*5760024800	Shaft, B	PX-550
3 - 29	*5760024700	Spring, I	PX-550
3 - 30	*5760024500	Lever, A	PX-550
3 - 31	*5760028900	Selector, Voltage	PX-550
3 - 32	*5760178200	Filter, Stroboscope	
3 - 33	*5760182000	PCB Assy, NEON	
3 - 34	⚠ 5760185300	Neon Lamp	

[U] : U.S.A. [C] : CANADA [GE] : GENERAL EXPORT
[A] : AUSTRALIA [E] : EUROPE [UK] : U.K.

EXPLODED VIEW - 1 (P-50)



Parts marked with *require longer delivery time.

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
1 - 1	*5760030900	Dust Cover	PX-550
1 - 2	*5760031000	Name Plate	PX-550
1 - 3	*5760032900	Protector	PX-550
1 - 4	*5760031100	Cushion	PX-550
1 - 5	*5760025900	Mat. Turntable [All except C]	PX-550
	*5760170100	Mat. Turntable [C]	
1 - 6	*5760149700	Turntable	
1 - 7	5760149800	Belt	
1 - 8	*5760174100	Cord, Phono Pin	
1 - 9	⚠ *5760029200	AC Power Cord [U, C]	PX-550
	⚠ *5760029300	AC Power Cord [GE]	PX-550
	⚠ *5760029400	AC Power Cord [E]	PX-550
	⚠ *5760029500	AC Power Cord [UK]	PX-550
	⚠ *5760175000	AC Power Cord [A]	PX-550
1 - 10	*5800136400	Bushing [U, C, GE]	
	*5800136500	Bushing [E, UK, A]	
1 - 11	*5760171900	Guide, B	
1 - 12	*5760148400	Filter Blind	
1 - 13	*5760172900	Angle, Fork	
1 - 14	*5760179500	Adaptor, 45 rpm	PX-550
1 - 15	*5760172800	Fork	
1 - 16	5760173600	Cartridge	
1 - 17	5760173500	Headshell Assy	
1 - 18	*5760149300	Hinge	
1 - 19	*5760021400	Rubber, Arm Support	PX-550
1 - 20	*5760021300	Arm Support	PX-550
1 - 21	*5760021700	Screw, Adjusting	PX-550
1 - 22	*5760021800	Rod, Actuating	PX-550
1 - 23	*5760021500	Shaft, Lifter	PX-550
1 - 24	*5760175300	Plate	
1 - 25	*5760172400	Armrest Assy	
1 - 26	5760173400	Weight Assy	
1 - 27	*5760173300	Tonearm Assy	
1 - 28	*5760022100	Rod, Armrest	
1 - 29	*5760170000	Screw	
1 - 30	*5760176200	Cabinet	
1 - 31	*5760171800	Guide	
1 - 32	*5760149500	Foot	
1 - 33	*5760176300	Thrust Lever	
1 - 34	*5760023700	Cushion	PX-550
1 - 35	*5760148900	Lug	
1 - 36	*5760024200	Spring, H	PX-550
1 - 37	5760149000	Knob, Slide	
1 - 38	*5760148700	Plate	
1 - 39	*5760148600	Name Plate, Control	
1 - 40	*5760149400	Bottom Cover	
1 - 41	*5760038100	Brazier SEMS Screw (B Type) M3X10	PX-550
1 - 42	*5760037100	Brazier SEMS Screw (B Type) M3X8	PX-550
1 - 43	*5760148800	Plate	

[U] : U.S.A. [C] : CANADA [GE] : GENERAL EXPORT
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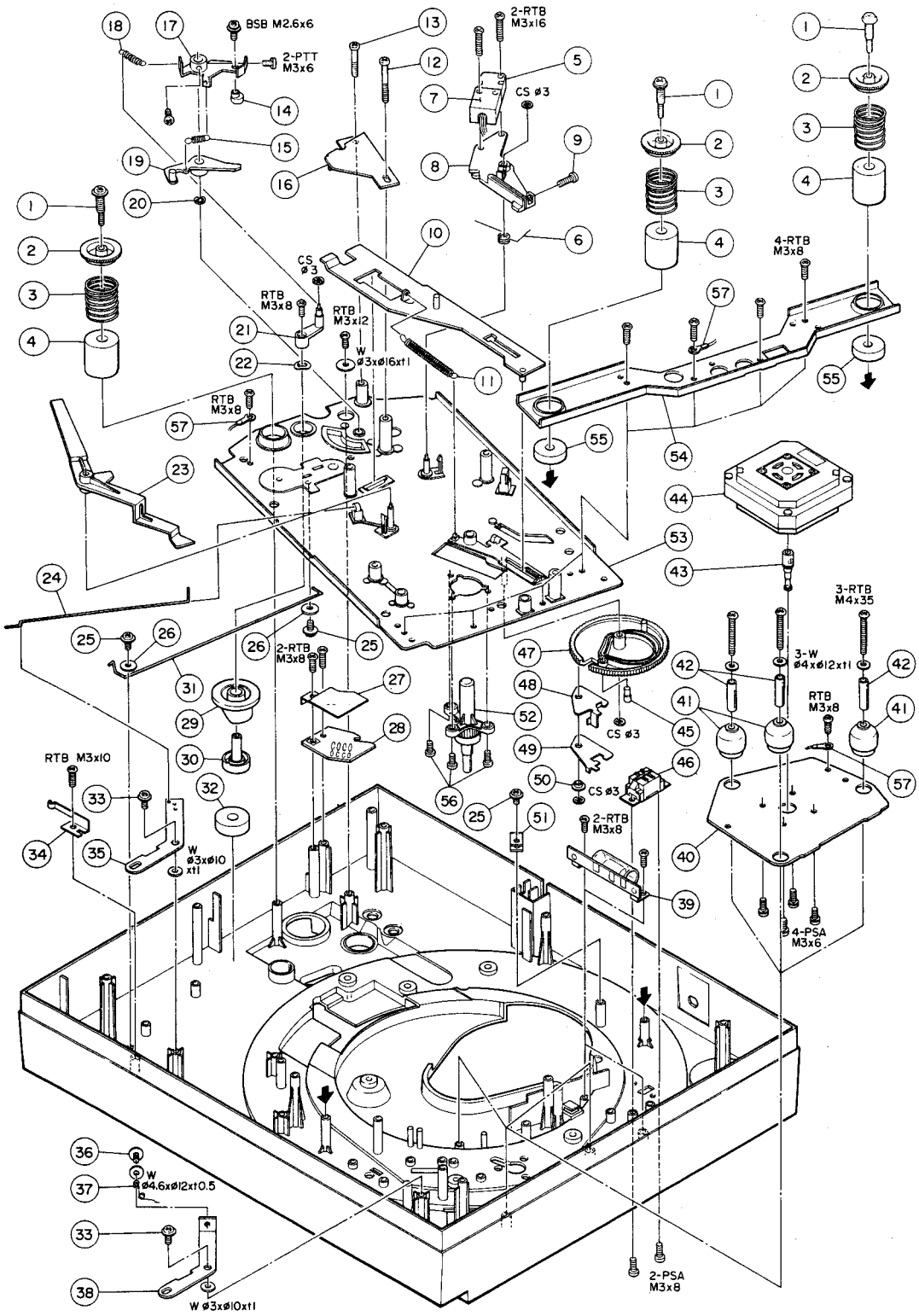
EXPLODED VIEW - 2 (P-50)



Parts marked with *require longer delivery time.

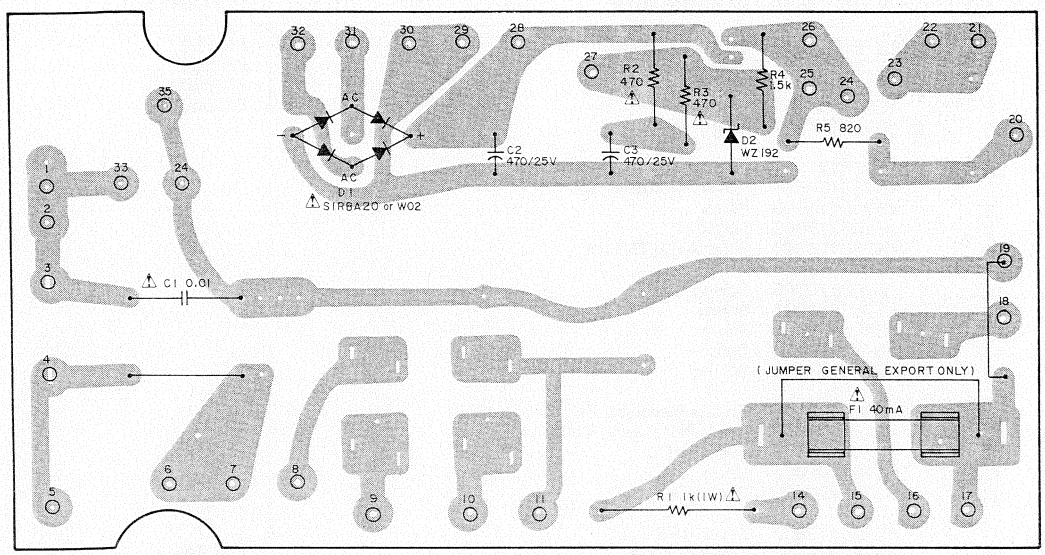
REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
2 - 1	*5760030800	Screw Adjust	PX-550
2 - 2	*5760030600	Holder, Spring	PX-550
2 - 3	*5760030500	Spring Floating, B	PX-550
2 - 4	*5760030700	Cushion	PX-550
2 - 5	⚠ 5760174400	Microswitch	
2 - 6	*5760171200	Spring	
2 - 7	*5760174500	Cover, Microswitch	
2 - 8	*5760171000	Plate	
2 - 9	*5760175800	Screw	
2 - 10	*5760170600	Plate Assy, Return	
2 - 11	*5760170900	Spring	
2 - 12	*5783013035	Screw	
2 - 13	*5760174900	Screw	
2 - 14	*5760171700	Cam	
2 - 15	*5760171500	Spring	
2 - 16	*5760171600	Thrust Receiver, PU	
2 - 17	*5760171300	Look Plate Assy, PU	
2 - 18	*5760176900	Spring, IFC	
2 - 19	*5760171400	Lever	
2 - 20	*5760170700	Ring Snap	
2 - 21	*5760176800	Lever, IFC	
2 - 22	*5760036100	Washer, Wave	PX-550
2 - 23	*5760171100	Arm	
2 - 24	*5760172200	Spring, Rejects	
2 - 25	*5760038100	Brazier SEMS Screw (B Type) M3X10	PX-550
2 - 26	*5760036900	Washer, ϕ3Xϕ12Xt1	PX-550
2 - 27	*5760174200	Cover, Shield	
2 - 28	*5760177900	PCB Assy, OUTPUT	
2 - 29	*5760022300	Holder, IFC Knob	PX-550
2 - 30	5760176700	Knob, IFC	
2 - 31	*5760023900	Link, L	PX-550
2 - 32	*5760149100	Cushion	
2 - 33	*5760036200	Screw (Speciality Screw)	PX-550
2 - 34	*5760024000	Spring, G	PX-550
2 - 35	*5760172100	Lever	
2 - 36	*5760024800	Shaft, B	PX-550
2 - 37	*5760173100	Spring	
2 - 38	*5760173000	Lever, Fork	
2 - 39	*5760185700	2L3P Lug Plate [GE]	
2 - 40	*5760176100	Plate, Motor	
2 - 41	*5760177000	Cushion, Motor	
2 - 42	*5760177100	Spacer	
2 - 43	*5760175900	Pulley Motor, 50Hz [GE, E, UK, A]	
	*5760176000	Pulley Motor, 60Hz [U, C, GE]	
2 - 44	5760175400	Motor [U, C]	
	5760175500	Motor [GE]	
	5760175600	Motor [E, UK, A]	
2 - 45	*5760170500	Pin	
2 - 46	⚠ *5760175200	SW, Slide [GE]	
2 - 47	*5760149900	Gear	
2 - 48	*5760170200	Trip	
2 - 49	*5760170300	Trip	
2 - 50	*5760170400	Collar, Trip	
2 - 51	*5760183700	Cord Stopper, 2N	
2 - 52	*5760149600	Shaft Assy, T.T	
2 - 53	*5760176500	Chassis	
2 - 54	*5760176600	Bracket, Spring	
2 - 55	*5760149200	Cushion	
2 - 56	*5760175700	Screw	
2 - 57	*5760148900	Terminal Lug	

[U] : U.S.A. [C] : CANADA [GE] : GENERAL EXPORT
[A] : AUSTRALIA [E] : EUROPE [UK] : U.K.

6 PC BOARD AND PARTS LIST

PC Board shown viewed from foil side.

POWER SUPPLY PCB ASSY (P-70)



POWER SUPPLY PCB ASSY (P-70)

REF. NO.	PARTS NO.	DESCRIPTION
	5760181900	Power Supply PCB Assy [U]
	5760181910	Power Supply PCB Assy [C]
	5760181920	Power Supply PCB Assy [GE]
	5760181930	Power Supply PCB Assy [E,UK,A]
	5760027300	Power Supply PCB
	DIODES	
D1	⚠5760035200	IS2372A
D2	5760184500	WZ-192
	CARBON RESISTORS	
	All resistors are rated ±5% tolerance and ¼W.	
R1	⚠5241207600	12kΩ 1W Nonflammable
R1	⚠5760185900	36kΩ 2W [A,E,UK]
R2	⚠5181474000	470Ω
R3	⚠5181474000	470Ω
R4	5181486000	1.5kΩ
R5	5181480000	820Ω
	TRANSISTOR	
	5042528000	2SD330
	CAPACITORS	
C1	⚠5760035300	Ceramic 0.01μF 630V
C1	⚠5760035400	Ceramic 0.01μF 630V [U,C,GE]
C1	⚠5760035500	Ceramic 0.01μF 630V [E,UK,A]
C2	5055462000	Elec. 470μF 35V
C3	5055449800	Elec. 47μF 25V
	FUSE	
F1	⚠5142106000	250mA 250V [U,C]
F1	⚠5760186000	40mA [E,UK,A]
	MISCELLANEOUS	
	5760027200	Wire Lap Terminal
	5760027700	Receptacle
	5760040600	Fuse Holder 1P [U,C]
	5760027800	Fuse Holder [E,UK,A]

LED PCB ASSY (PCB omitted)

REF. NO.	PARTS NO.	DESCRIPTION
	5760182100	LED PCB Assy
	5760185400	LED PCB
D3	5760185500	LED
D4	5760185500	LED
	5760027200	Wire Lap Terminal

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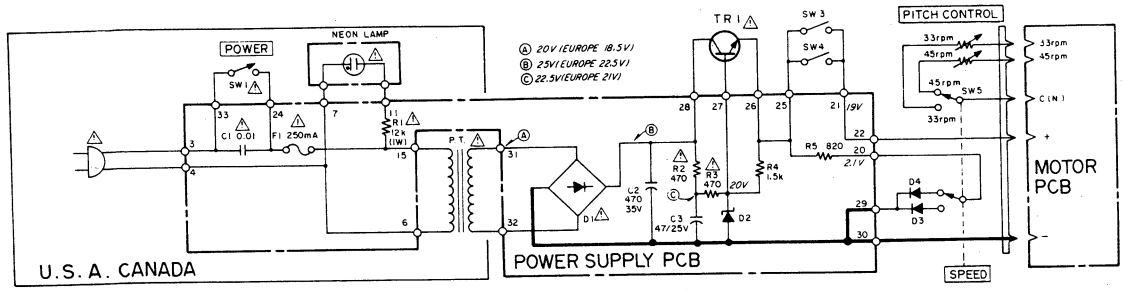
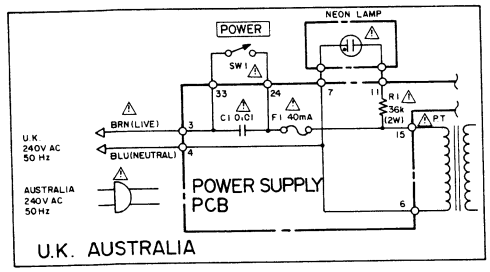
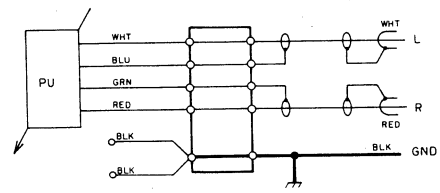
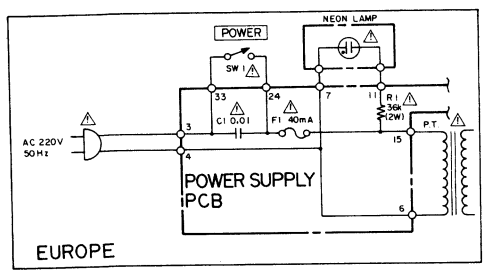
7 SCHEMATICS

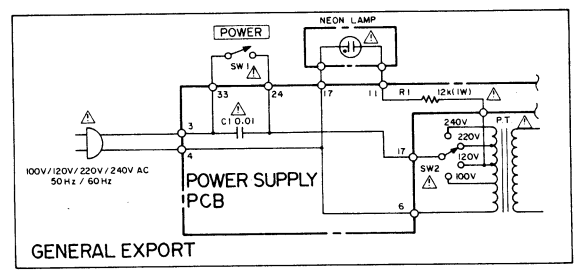
P-70

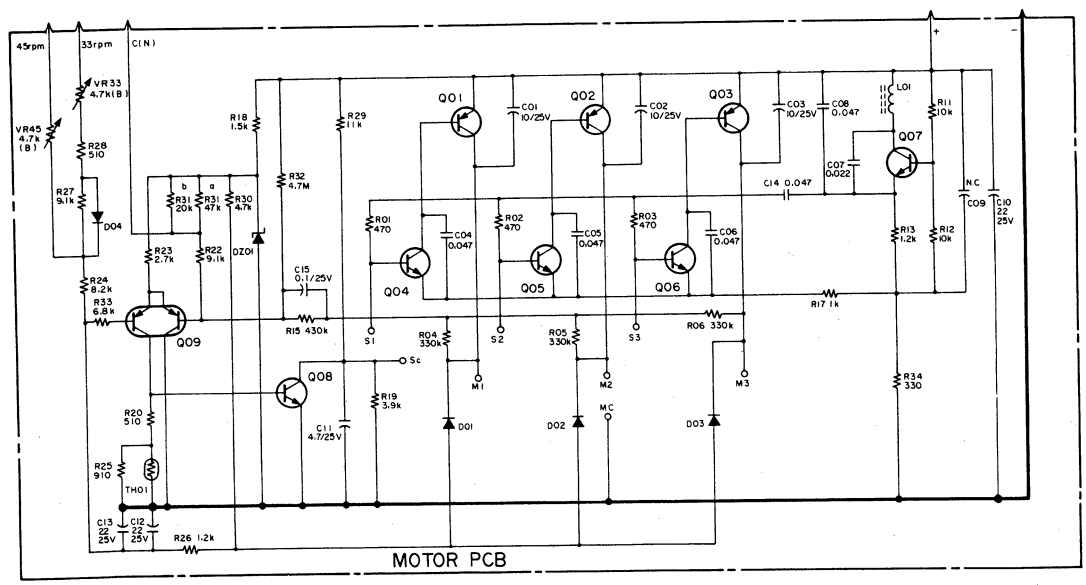












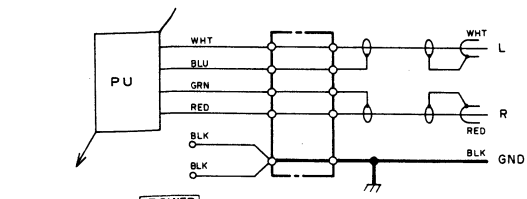
MOTOR PCB
Q01~Q03 2SA952
Q04~Q09 2SC945

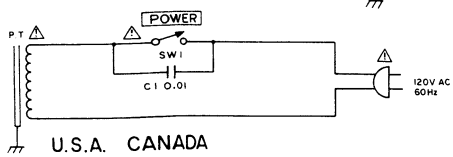
D01~D03 IS953
D04 IS53
ZD01 RD5.1EB2

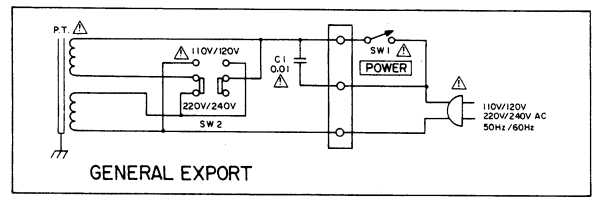
POWER SUPPLY PCB
TR1 2SD330

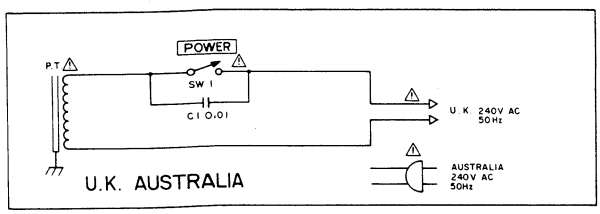
D1 SIRBA20 or W02
D2 WZ 192

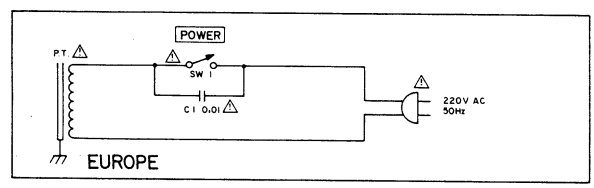
P-50











(Continued from page 17)

Parts marked with *require longer delivery time.

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
2 - 56	*5760016400	Bearing	PX-550
2 - 57	*5760016500	Spring, B	PX-550
2 - 58	*5760183600	Chassis Assy	
2 - 59	*5760035900	Shaft	PX-550
2 - 60	*5760020000	Cap, Friction	PX-550
2 - 61	*5760181200	Stopper	
2 - 62	*5760181100	Shaft	
2 - 63	*5760019500	Spring, E	PX-550
2 - 64	*5760178500	Spring	
2 - 65	*5760180700	Plate, SW	
2 - 66	*5760184000	UL Tube	
2 - 67	*5760036000	Shaft	PX-550
2 - 68	*5760148900	Terminal Lug	P-50

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